## APPENDIX I

## Wisconsin Counties and the Federally and State-listed Species Known to Occur in Them

This guide does not include all federally or state-listed species that occur in Wisconsin, only those that are likely to be affected by logging or other forest practices. For a complete list of protected species, contact the Wisconsin Bureau of Endangered Resources (see Appendix II). The following icons are used to identify species groups:

- ★ Mammals, ★ Birds,
  ★ Reptiles and Amphibians, ﴿ Fish,
  Mussels and Snails, ★ Insects, ♣ Plants.
- ADAMS → Bald Eagle, Cerulean Warbler, Great Egret, Hooded Warbler, Osprey, Redshouldered Hawk → Western Slender Glass Lizard, Wood Turtle → Frosted Elfin Butterfly, Karner Blue Butterfly ♣ Bog Bluegrass

ASHLAND ★ American Pine Marten,
Timber Wolf → Bald Eagle, Cerulean Warbler,
Osprey, Spruce Grouse → Wood Turtle
→ Purple Wartyback ♣ Braun's Holly Fern,
Broad-leaved Twayblade, Calypso Orchid,
Drooping Sedge, Goblin Fern, Hawthornleaved Gooseberry, Large-leaved Sandwort,

Moonwort, Mountain Cranberry, Ram's-head Lady's-slipper, Smith Melic Grass

BARRON → Bald Eagle, Cerulean Warbler, Osprey, Red-shouldered Hawk, Spruce Grouse → Wood Turtle ← Greater Redhorse, Ozark Minnow, Pugnose Shiner ♣ Hawthorn-leaved Gooseberry, Squashberry

**BAYFIELD**  ✓ American Pine Marten, Timber Wolf → Bald Eagle, Cerulean Warbler, Osprey, Red-shouldered Hawk, Spruce Grouse

- → Wood Turtle < Pugnose Shiner
- Auricled Twayblade, Braun's Holly Fern, Broad-leaved Twayblade, Calypso Orchid, Mountain Cranberry, Small Shinleaf

BROWN → Cerulean Warbler, Great Egret → Wood Turtle ← Greater Redhorse, Longear Sunfish ← Cherrystone Drop Snail, Midwest Pleistocene Vertigo Snail ← Dwarf Lake Iris, Foamflower, Handsome Sedge, Snow Trillium

BUFFALO → Bald Eagle, Bell's Vireo, Cerulean Warbler, Great Egret, Kentucky Warbler, Osprey, Red-shouldered Hawk, Yellowcrowned Night-heron → Eastern Massasauga Rattlesnake, Wood Turtle ← Crystal Darter, Red Riverhorse ← Buckhorn, Bullhead, Butterfly, Elephant Ear, Monkeyface, Rock Pocketbook, Salamander Mussel, Wing Snaggletooth **CALUMET** → Cerulean Warbler, Great Egret, Osprey S Greater Redhorse Ram's-head Lady's-slipper, Snow Trillium

CLARK <a href="#">

Clark
Image: Timber Wolf
Bald Eagle,

Cerulean Warbler
Eastern Massasauga

Rattlesnake, Wood Turtle
Ellipse

Karner Blue Butterfly

COLUMBIA → Bell's Vireo, Cerulean
Warbler, Great Egret, Red-shouldered Hawk,
Yellow- crowned Night Heron → Eastern
Massasauga Rattlesnake, Ornate Box Turtle,
Western Slender Glass Lizard, Wood Turtle

Greater Redhorse, Longear Sunfish, Pugnose
Shiner → Buckhorn, Bullhead, Butterfly,
Higgins' Eye Pearly Mussel, Monkeyface,
Salamander Mussel → Drooping Sedge,

Hop-like Sedge, Lapland Rosebay, Yellow Giant Hyssop

CRAWFORD → Bald Eagle, Bell's vireo,
Cerulean Warbler, Great Egret, Kentucky
Warbler, Red-shouldered Hawk, Yellowcrowned Night-heron ← Eastern Massasauga
Rattlesnake, Wood Turtle ← Longear Sunfish,
Ozark Minnow ← Buckhorn, Bullhead,
Butterfly, Ebony Shell, Elephant Ear, Higgins
Eye Pearly Mussel, Monkeyface, Purple
Wartyback, Rock Pocketbook, Salamander
Mussel, Spectacle Case, Wartyback, Wing
Snaggletooth Snail, Yellow Sandshell
← Great White Lettuce, Purple Milkweed,
Yellow Giant Hyssop

DANE → Bell's Vireo, Cerulean Warbler, Great Egret, Hooded Warbler, Kentucky Warbler ← Eastern Massasauga Rattlesnake, Ornate Box Turtle, Western Slender Glass Lizard ← Greater Redhorse, Pugnose Shiner, Starhead Topminnow ← Buckhorn, Bullhead, Butterfly, Ellipse, Higgins' Eye Pearly Mussel, Monkeyface, Rock Pocketbook, Salamander Mussel, Yellow Sandshell ← Drooping Sedge, Kitten Tails, Purple Milkweed, Yellow Giant Hyssop

DOOR → Bald Eagle, Cerulean Warbler, Hooded Warbler, Osprey, Red-shouldered Hawk © Cherrystone Drop Snail, Midwest Pleistocene Vertigo Snail Calypso Orchid, Drooping Sedge, Dwarf Lake Iris, Foamflower, Handsome Sedge, Hawthorn-leaved Gooseberry, Moonwort, Northern Comandra, Pine-drops, Ram's-head Lady's-slipper, Small Round-leaved Orchis

DOUGLAS ❤ Timber Wolf → Bald Eagle, Cerulean Warbler, Osprey, Spruce Grouse → Wood Turtle ← Gilt Darter, Greater Redhorse ← Purple Wartyback ← Calypso Orchid, Hawthorn-leaved Gooseberry, Small Shinleaf

DUNN → Bald Eagle, Cerulean Warbler, Great Egret, Red-shouldered Hawk → Wood Turtle ← Crystal Darter, Greater Redhorse, River Redhorse ← Buckhorn, Bullhead, Monkeyface, Salamander Mussel ← Karner Blue Butterfly ♣ Beak Grass

EAU CLAIRE → Bald Eagle, Cerulean
Warbler, Red-shouldered Hawk → Wood Turtle

Greater Redhorse, River Redhorse

Buckhorn, Bullhead, Salamander Mussel

Karner Blue Butterfly, Phlox Flower Moth

Beak Grass, Muskroot

FLORENCE **★** American Pine Marten, Timber Wolf **★** Bald Eagle, Osprey, Red-shouldered

Hawk, Spruce Grouse — Wood Turtle

Braun's Holly Fern, Calypso Orchid,
Foamflower, Goblin Fern, Marsh Valerian,
Small Round-leaved Orchis, Western Jacob's
Ladder

FOND DU LAC → Cerulean Warbler, Great Egret, Hooded Warbler ← Greater Redhorse, Longear Sunfish, Pugnose Shiner ← Ellipse, Midwest Pleistocene Vertigo Snail ♣ Bog Bluegrass, Forked Aster

FOREST 

American Pine Marten, Timber Wolf 

Bald Eagle, Cerulean Warbler, Osprey, Red-shouldered Hawk, Spruce Grouse

Wood Turtle 

Braun's Holly Fern, Calypso Orchid, Goblin Fern, Mountain Cranberry, Small Round-leaved Orchis

**GRANT** Acadian Flycatcher, Bald Eagle,

Bell's Vireo, Cerulean Warbler, Great Egret, Hooded Warbler, Kentucky Warbler, Redshouldered Hawk, Yellow-throated Warbler Ornate Box Turtle, Wood Turtle Crystal Darter, Ozark Minnow, River Redhorse, Starhead Topminnow Buckhorn, Bullhead, Butterfly, Cherrystone Drop Snail, Ebony Shell, Higgins' Eye Pearly Mussel, Midwest Pleistocene Vertigo Snail, Monkeyface, Occult Vertigo, Rock Pocketbook, Salamander Mussel, Wartyback, Wing Snaggletooth Snail, Yellow Sandshell

Intermediate Sedge, Muskroot, Northern Monkshood, Purple Milkweed, Yellow Giant Hyssop

GREEN → Cerulean Warbler, Great Egret
 Eastern Massasauga Rattlesnake, Ornate Box
Turtle Gravel Chub, Ozark Minnow, River
Redhorse Buckhorn Great White Lettuce,
Kitten Tails, Yellow Giant Hyssop

GREEN LAKE → Acadian Flycatcher, Bald Eagle, Bell's Vireo, Cerulean Warbler, Great Egret, Red-shouldered Hawk

- → Western Slender Glass Lizard © Buckhorn
- Karner Blue Butterfly

IOWA → Acadian Flycatcher, Bald Eagle, Bell's Vireo, Cerulean Warbler, Great Egret, Kentucky Warbler, Red-shouldered Hawk

- ← Eastern Massasauga Rattlesnake, Ornate Box Turtle, Wood Turtle ← Greater Redhorse, Ozark Minnow, Starhead Topminnow
- ➡ Buckhorn, Bullhead, Butterfly, Ebony Shell, Higgins' Eye Pearly Mussel, Monkeyface, Rock Pocketbook, Salamander Mussel, Yellow Sandshell ♣ Beak Grass, Fire Pink, Purple Milkweed

IRON ★ American Pine Marten, Timber
Wolf ★ Bald Eagle, Osprey, Spruce Grouse
 Wood Turtle ⑤ Greater Redhorse, Pugnose
Shiner ⑥ Cherrystone Drop Snail ♣ Braun's
Holly Fern, Brood-leaved Twayblade, Calypso

Orchid, Goblin Fern, Large-leaved Sandwort, Small Shinleaf

JEFFERSON → Acadian Flycatcher, Cerulean Warbler, Great Egret, Hooded Warbler, Kentucky Warbler ← Greater Redhorse, Pugnose Shiner, River Redhorse ♣ Kitten Tails, Purple Milkweed, Yellow Giant Hyssop

JUNEAU ☑ Timber Wolf ☑ Acadian
Flycatcher, Bald Eagle, Cerulean Warbler, Great
Egret, Kentucky Warbler, Osprey, Red-shouldered
Hawk, Yellow-crowned Night-heron ☑ Eastern
Massasauga Rattlesnake, Western Slender Glass
Lizard, Wood Turtle ☑ Monkey Face, Salamander
Mussel ☑ Frosted Elfin Butterfly, Karner Blue
Butterfly ♣ Drooping Sedge, Muskroot

**KENOSHA** → Cerulean Warbler, Great Egret → Eastern Massasauga Rattlesnake ← Longear Sunfish, Pugnose Shiner, River Redhorse, Starhead Topminnow → Karner Blue Butterfly → Hop-like Sedge, Purple Milkweed

**KEWAUNEE** → Cerulean Warbler ≤ Longear Sunfish, Pugnose Shiner ○ Cherrystone Drop Snail ♣ Forked Aster

**LAFAYETTE** → Bell's Vireo, Cerulean Warbler, Great Egret ← Gravel Chub, Ozark Minnow ♣ Beak Grass, Purple Milkweed, Yellow Giant Hyssop

LANGLADE ★ American Pine Marten

→ Bald Eagle, Osprey, Red-shouldered Hawk,
Spruce Grouse → Wood Turtle Slippershell

Braun's Holly Fern, Calypso Orchid, Goblin
Fern, Marsh Valerian

LINCOLN <a href="https://www.nimber.wolf">trimber Wolf</a> → Bald Eagle, Osprey, Red-shouldered Hawk, Spruce Grouse → Wood Turtle

MANITOWOC → Acadian Flycatcher, Cerulean Warbler, Great Egret, Hooded Warbler, Kentucky Warbler, Osprey, Redshouldered Hawk ← Greater Redhorse Cherrystone Drop Snail, Ellipse, Midwest Pleistocene Vertigo Snail, Slippershell Bog Bluegrass, Drooping Sedge, Snow Trillium

MARATHON → Bald Eagle, Osprey, Redshouldered Hawk → Wood Turtle

MARINETTE ❤ American Pine Marten

→ Bald Eagle, Cerulean Warbler, Great Egret,
Osprey, Red-shouldered Hawk, Spruce Grouse

→ Wood Turtle ← Greater Redhorse ← Goblin
Fern, Marsh Valerian, Purple Milkweed

MARQUETTE → Bald Eagle, Bell's Vireo, Cerulean Warbler, Great Egret, Red-shouldered Hawk → Western Slender Glass Lizard Greater Redhorse, Pugnose Shiner Karner Blue Butterfly ♣ Bog Bluegrass

MILWAUKEE → Cerulean Warbler, Hooded Warbler, Red-shouldered Hawk ← Greater Redhorse, Longear Sunfish → Blue-stemmed Goldenrod, Forked Aster, Handsome Sedge, Hop-like Sedge, Purple Milkweed, Ram's-head Lady's-slipper, Snow Trillium

MONROE → Acadian Flycatcher, Cerulean Warbler, Great Egret, Kentucky Warbler, Osprey, Red-shouldered Hawk → Eastern

Massasauga Rattlesnake, Western Slender Glass Lizard, Wood Turtle ← Gilt Darter, River Redhorse ► Frosted Elfin Butterfly, Karner Blue Butterfly, Phlox Flower Moth ♣ Beak Grass, Bog Bluegrass, Muskroot, Northern Monkshood

OCONTO ★ American Pine Marten

→ Bald Eagle, Cerulean Warbler, Great Egret,
Osprey, Red-shouldered Hawk, Spruce Grouse

→ Wood Turtle ← Greater Redhorse, Longear
Sunfish ← Slippershell ← Karner Blue Butterfly

→ Bog Bluegrass, Braun's Holly Fern, Calypso
Orchid, Foam Flower, Goblin Fern, Ram's-head
Lady's-slipper, Small Round-leaved Orchis

ONEIDA ★ American Pine Marten, Timber Wolf Bald Eagle, Cerulean Warbler, Osprey, Red-shouldered Hawk, Spruce Grouse Wood Turtle Greater Redhorse Calypso Orchid

OUTAGAMIE → Bald Eagle, Cerulean Warbler, Osprey → Wood Turtle ⇔ Buckhorn, Salamander Mussel, Snuffbox ➤ Karner Blue Butterfly ♣ Handsome Sedge, Marsh Valerian, Ram's-head Lady's-slipper, Snow Trillium

OZAUKEE 

Cerulean Warbler, Kentucky Warbler, Red-shouldered Hawk 

Greater Redhorse, Longear Sunfish 

Cherrystone Drop Snail 

Forked Aster, Handsome Sedge, Pine-drops, Ram's-head Lady's-slipper, Snow Trillium

PEPIN → Bald Eagle, Cerulean Warbler, Great Egret, Hooded Warbler, Kentucky Warbler, Red- shouldered Hawk ← Eastern Massasauga Rattlesnake, Wood Turtle ← Crystal Darter, Greater Redhorse, River Redhorse ← Buckhorn, Bullhead, Butterfly, Elephant Ear, Monkeyface, Salamander Mussel ♣ Beak Grass

PIERCE → Bald Eagle, Cerulean Warbler, Great Egret, Kentucky Warbler, Red-shouldered Hawk → Wood Turtle ← Crystal Darter, River Redhorse ← Buckhorn, Bullhead, Butterfly, Ebony Shell, Elephant Ear, Higgins' Eye Pearly Mussel, Monkeyface, Rock Pocketbook, Snuffbox, Wing Snaggletooth Snail, Winged Mapleleaf ← Kitten Tails, Muskroot, Snow Trillium

PORTAGE → Bald Eagle, Cerulean Warbler, Osprey, Red-shouldered Hawk → Eastern Massasauga Rattlesnake, Wood Turtle Karner Blue Butterfly Marsh Valerian 154 PRICE <a href="#">Timber Wolf</a> → Bald Eagle, Cerulean Warbler, Osprey, Red-shouldered Hawk, Spruce Grouse <a href="#">Wood Turtle</a> <a href="#">Greater Redhorse</a> <a href="#">Purple Wartyback, Salamander Mussel</a> <a href="#">Calypso Orchid</a>

RACINE → Cerulean Warbler, Great Egret,
Red-shouldered Hawk, Yellow-throated Warbler

Eastern Massasauga Rattlesnake ≤ Longear
Sunfish, Pugnose Shiner, River Redhorse

Blue-stemmed Goldenrod, Forked Aster,
Hop-like Sedge, Kitten Tails, Purple Milkweed,
Yellow Giant Hyssop

RICHLAND → Bald Eagle, Cerulean Warbler, Kentucky Warbler, Red- shouldered Hawk → Ornate Box Turtle ← Crystal Darter ← Buckhorn, Bullhead, Butterfly, Ebony Shell, Higgins' Eye Pearly Mussel, Monkeyface, Rock Pocketbook, Salamander Mussel, Yellow Sandshell ♣ Bog Bluegrass, Muskroot, Northern Monkshood

ROCK → Acadian Flycatcher, Cerulean Warbler, Great Egret, Kentucky Warbler, Red-Shouldered Hawk, Yellow-crowned Night Heron, Yellow-throated Warbler ← Eastern Massasauga Rattlesnake, Ornate Box Turtle ← Gravel Chub, Greater Redhorse, Ozark Minnow, Starhead Topminnow ← Ellipse, Monkeyface, Purple Wartyback ← Beak Grass, Forked Aster, Kitten Tails, Muskroot, Purple

## Milkweed, Yellow Giant Hyssop

RUSK Timber Wolf Bald Eagle, Osprey, Spruce Grouse Wood Turtle Gilt Darter, Greater Redhorse, Longear Sunfish Bullhead, Purple Wartyback Hawthorn-leaf Gooseberry, Squashberry

SAUK Acadian Flycatcher, Bell's Vireo, Cerulean Warbler, Great Egret, Hooded Warbler, Kentucky Warbler, Red-shouldered Hawk, Worm-eating Warbler, Yellow-throated Warbler Eastern Massasauga Rattlesnake, Ornate Box Turtle, Western Slender Glass Lizard Starhead Topminnow Buckhorn, Bullhead, Butterfly, Cherrystone Drop Snail, Higgins' Eye Pearly Mussel, Midwest Pleistocene Vertigo Snail, Monkeyface, Rock Pocketbook, Salamander Mussel, Yellow Sandshell Karner Blue Butterfly Bog Bluegrass, Drooping Sedge, Great White Lettuce, Muskroot, Northern Monkshood, Purple Milkweed

SAWYER ★ American Pine Marten, Timber Wolf → Bald Eagle, Osprey, Red-shouldered Hawk, Spruce Grouse → Wood Turtle ← Greater Redhorse, Longear Sunfish ← Purple Wartyback ← Calypso Orchid, Goblin Fern, Ram's-head Lady's-slipper, Small Round-leaved Orchis

SHAWANO → Bald Eagle, Cerulean Warbler, Hooded Warbler, Osprey, Red-shouldered Hawk → Wood Turtle ← Longear Sunfish, Pugnose Shiner, River Redhorse ← Buckhorn, Salamander Mussel, Slippershell, Snuffbox

SHEBOYGAN → Cerulean Warbler, Great Egret, Osprey, Red-shouldered Hawk Greater Redhorse, Pugnose Shiner Cherrystone Drop Snail, Ellipse, Slippershell Forked Aster, Handsome Sedge, Marsh Valerian, Ram's-head Lady's-slipper, Snow Trillium

ST. CROIX → Bald Eagle, Cerulean Warbler, Great Egret, Osprey, Red-shouldered Hawk → Wood Turtle ← Crystal Darter, Gilt Darter, Greater Redhorse, River Redhorse ← Buckhorn, Butterfly, Ebony Shell, Elephant Ear, Higgins' Eye Pearly Mussel, Monkeyface, Purple Wartyback, Salamander Mussel, Snuffbox, Spectacle Case, Winged Mapleleaf ← Kitten Tails. Snow Trillium

**TAYLOR №** Timber Wolf **→** Bald Eagle, Cerulean Warbler, Great Egret, Osprey, Redshouldered Hawk, Spruce Grouse

→ Wood Turtle 🌺 Goblin Fern, Hop-like Sedge

**TREMPEALEAU** → Bald Eagle, Bell's Vireo, Cerulean Warbler, Great Egret, Kentucky Warbler, Osprey, Red-shouldered Hawk

Eastern Massasauga Rattlesnake, Wood

Turtle ≤ Crystal Darter Bullhead, Higgins' Eye Pearly Mussel, Monkeyface, Wing Snaggletooth Snail & Bog Bluegrass

VILAS ★ American Pine Marten, Timber
Wolf Bald Eagle, Cerulean Warbler, Osprey,
Red-shouldered Hawk, Spruce Grouse
 Wood Turtle Greater Redhorse, Longear
Sunfish, Pugnose Shiner Calypso Orchid,
Ram's-head Lady's-slipper

WALWORTH → Acadian Flycatcher, Cerulean Warbler, Great Egret, Hooded Warbler → Eastern Massasauga Rattlesnake Longear Sunfish, Ozark Minnow, Pugnose Shiner, Starhead Topminnow Ellipse Forked Aster, Kitten Tails, Purple Milkweed, Yellow Giant Hyssop

WASHBURN Timber Wolf → Bald Eagle, Hooded Warbler, Osprey, Red-shouldered Hawk, Spruce Grouse → Wood Turtle

WASHINGTON → Acadian Flycatcher, Cerulean Warbler, Great Egret, Hooded Warbler, Kentucky Warbler, Red-shouldered Hawk ← Greater Redhorse, Longear Sunfish, Pugnose Shiner ← Ellipse ← Forked Aster, Kitten Tails, Purple Milkweed

WAUKESHA → Acadian Flycatcher, Cerulean Warbler, Great Egret, Hooded Warbler, Kentucky Warbler, Red-shouldered Hawk 
Greater Redhorse, Longear Sunfish, Ozark Minnow, Pugnose Shiner, Starhead Topminnow 
Ellipse, Rainbow Shell, Slippershell 
Forked Aster, Handsome Sedge, Hop-like Sedge, Kitten Tails, Marsh Valerian, Purple Milkweed. Snow Trillium

WAUPACA → Bald Eagle, Cerulean Warbler, Great Egret, Osprey, Red-shouldered Hawk, Yellow-crowned Night-heron → Wood Turtle Greater Redhorse, Pugnose Shiner, River Redhorse Buckhorn, Salamander Mussel, Snuffbox Karner Blue Butterfly Marsh Valerian, Ram's-head Lady's-slipper

WAUSHARA → Bald Eagle, Cerulean Warbler
→ Western Slender Glass Lizard ← Greater
Redhorse, Longear Sunfish, Pugnose Shiner
➤ Karner Blue Butterfly ♣ Purple Milkweed

WINNEBAGO → Bald Eagle, Cerulean
Warbler, Great Egret, Osprey → Wood Turtle
Greater Redhorse, Pugnose Shiner
Buckhorn Bluegrass, Forked Aster, Purple
Milkweed

WOOD Timber Wolf → Bald Eagle,
Cerulean Warbler, Great Egret, Osprey,
Red-shouldered Hawk → Eastern Massasauga
Rattlesnake, Western Slender Glass Lizard,
Wood Turtle ➤ Frosted Elfin Butterfly,
Karner Blue Butterfly ♣ Goblin Fern